Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/17/2021 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124270	-1	3.29	124299	3.38
Blue	F	SSC	125000	122377	-3	4.40	123239	4.36
Blue	E	FITC	14203	13555	-5	3.49	293	15.46
Blue	D	PE	25703	24980	-3	3.24	538	10.73
Blue	B	PerCP-Cy5-5	42104	40844	-3	3.85	919	14.80
Blue	A	PE-Cy7	34646	33728	-3	4.93	498	28.99
Red	C	APC	49824	48777	-3	3.33	1493	11.50
Red	A	APC-Cy7	39773	38092	-5	3.31	740	12.08
Violet	B	V450	7447	7041	-6	4.14	407	12.36
Violet	A	V500	31193	29806	-5	3.90	679	10.23

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21333	3.70	545	-11	N/A	N/A	Pass
Blue	F	SSC	54415	3.82	511	-1	N/A	N/A	Pass
Blue	E	FITC	52	54.62	481	-5	0.0405	87	Pass
Blue	D	PE	107	38.51	483	-2	0.4093	297	Pass
Blue	B	PerCP-Cy5-5	176	35.02	575	-2	0.0187	10	Pass
Blue	A	PE-Cy7	114	61.47	619	-1	0.0215	0	Pass
Red	C	APC	348	24.12	568	1	0.0281	118	Pass
Red	A	APC-Cy7	206	23.72	544	0	0.0055	0	Pass
Violet	B	V450	89	39.54	450	1	0.0473	1441	Pass
Violet	A	V500	118	29.90	468	1	0.0254	789	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.35	-32.09	1.00
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.39
Red	21.19	15.99 - 23.99	N/A	N/A	30.48	30.68	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11553

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments